

Abstract

A method and system of processing animal waste, whereby liquid is removed from the waste and recycled for use in other applications. Moreover, use of the method and system facilitates capture of the solid waste, which may then be used as fertilizer. In the present method and system, waste sludge is fed into a geotextile container, which functions as a filter. The liquid from the sludge permeates the geotextile container, while the geotextile container retains the solid waste. Multiple geotextile containers may be used to further filter and clean the liquid. The liquid exiting the geotextile container flows into a liquid reservoir, from which the liquid may be drawn for use in other applications. During this process, the solid waste is trapped in the geotextile container, where it will digest and compost and may be easily accessed for use as fertilizer or other nutrients.